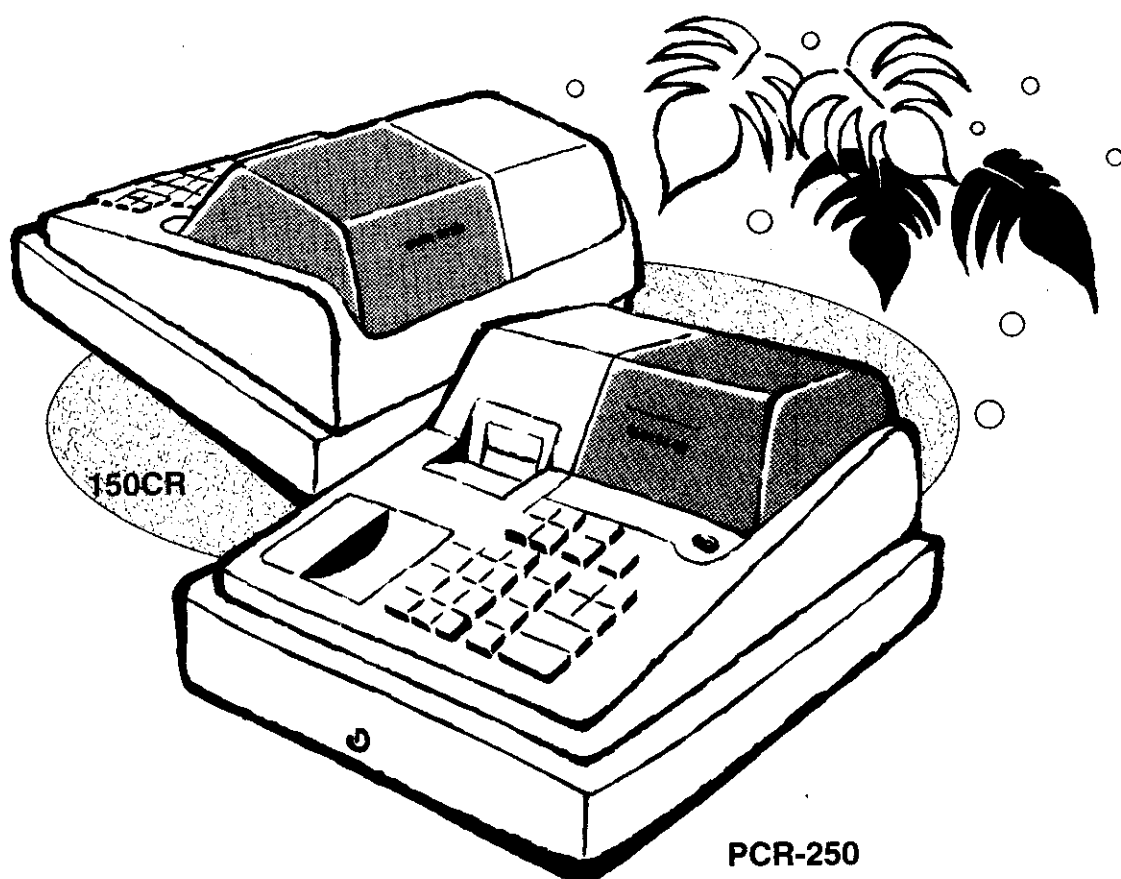


PCR-250

150CR

Electronic Cash Register



User's Manual

START-UP is QUICK and EASY!
Simple to use!

8 departments and 16 PLUs
Automatic Tax Calculations
Calculator function

CASIO®



Introduction

Thank you very much for purchasing this CASIO electronic cash register.
START-UP is QUICK and EASY!

Part-1 of this User's Manual can help you make a quick start.

Once you have mastered the QUICK START operations, you will undoubtedly want to expand your use of this machine by studying other sections of Part-2.

IMPORTANT

**FOR PROGRAMMING ASSISTANCE
PLEASE CALL TOLL FREE**

**1-800-638-9228
(1-800-661-2274 in Canada)**

CASIO Authorized Service Centers

If your CASIO product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO.

Power Supply

Your cash register is designed to operate on standard household current (120 V, 50/60 Hz). Do not overload the outlet by plugging in too many appliances.

Original Carton/Package

If for any reason, this product is to be returned to the store where purchased, it must be packed in the original carton/package.

Cleaning

Clean the cash register exterior with a soft cloth which has been moistened with a solution of a mild neutral detergent and water, and wrung out.

Be sure that the cloth is thoroughly wrung out to avoid damage to the printer.

Never use paint thinner, benzene, or other volatile solvents.

Location

Locate the Cash register on a flat, stable surface, away from heaters or areas exposed to direct sunlight, humidity or dust.

NOTE

This User's Manual is also available in Spanish. To receive a copy in Spanish please call:

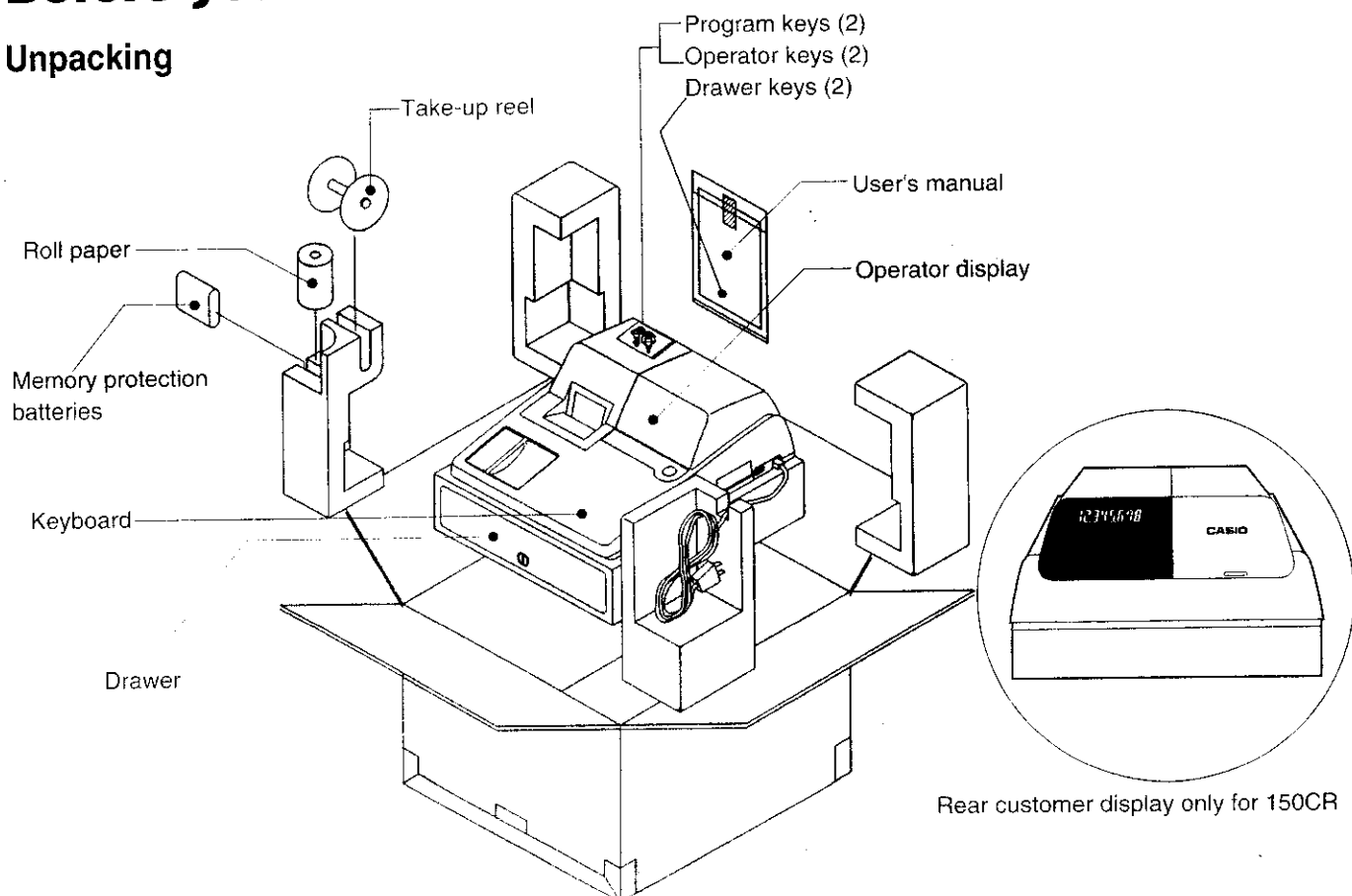
1-800-YO-CASIO

Contents

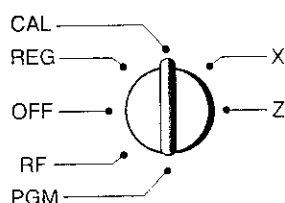
Getting to know your cash register	2
Daily Job Flow	4
Part-1 QUICK START OPERATION	5
(You can operate this ECR on a basic level by reading the following sections)	
1. Initialization	5
2. Loading Paper	6
3. Basic Programming for QUICK START – TIME/DATE	7
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5. Daily Management Report	16
Part-2 CONVENIENT OPERATION	18
(Please keep these sections to expand your use.)	
1. Various Programming	18
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1. Troubleshooting	35
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Before you start

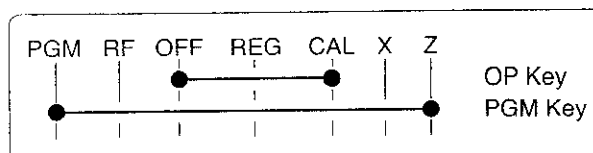
Unpacking



Getting to know your cash register



The position of the Mode Switch controls the type of operations you can perform on the cash register. The PROGRAM Key (marked PGM) that comes with the cash register can be used to select any Mode Switch setting, while the OPERATOR Key (marked OP) can be used to select OFF, REG or CAL only.



Note:

An error is generated (E01 displayed) whenever the position of the Mode Switch is changed during registration or programming.

OFF

In this position, the power of the cash register is off.

REG (Register)

This is the position used for registration of normal transactions.

RF (Refund)

This is the position used for registration of refunds.

CAL (Calculator)

This is the position used for calculator mode.

PGM (Programming)

This is the position used to program the cash register to suit the needs of your store.

X (Read)

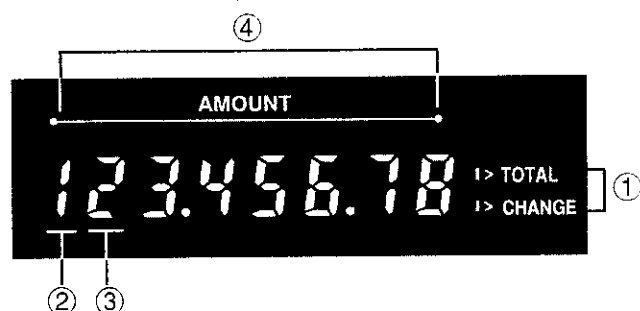
This is the position used to produce reports of daily sales totals without clearing the totals.

Z (Reset)

This is the position used to produce reports of daily sales totals. This setting clears the totals.

Displays

Operator Display



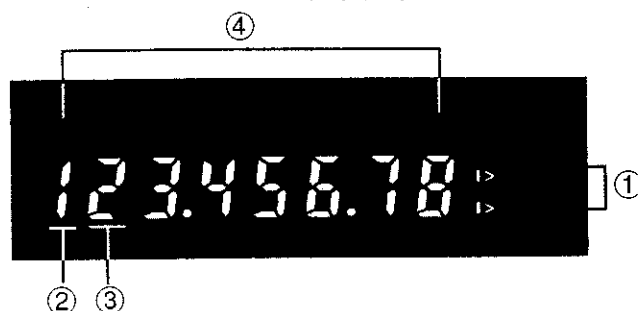
① Total/Change Display

The total (upper segment) or change (lower segment) sign appears when a subtotal, total or change is obtained.

② Department Number Display

Anytime you press a department key to register a unit price, the corresponding department number appears here.

Rear Customer Display (only for 150CR)



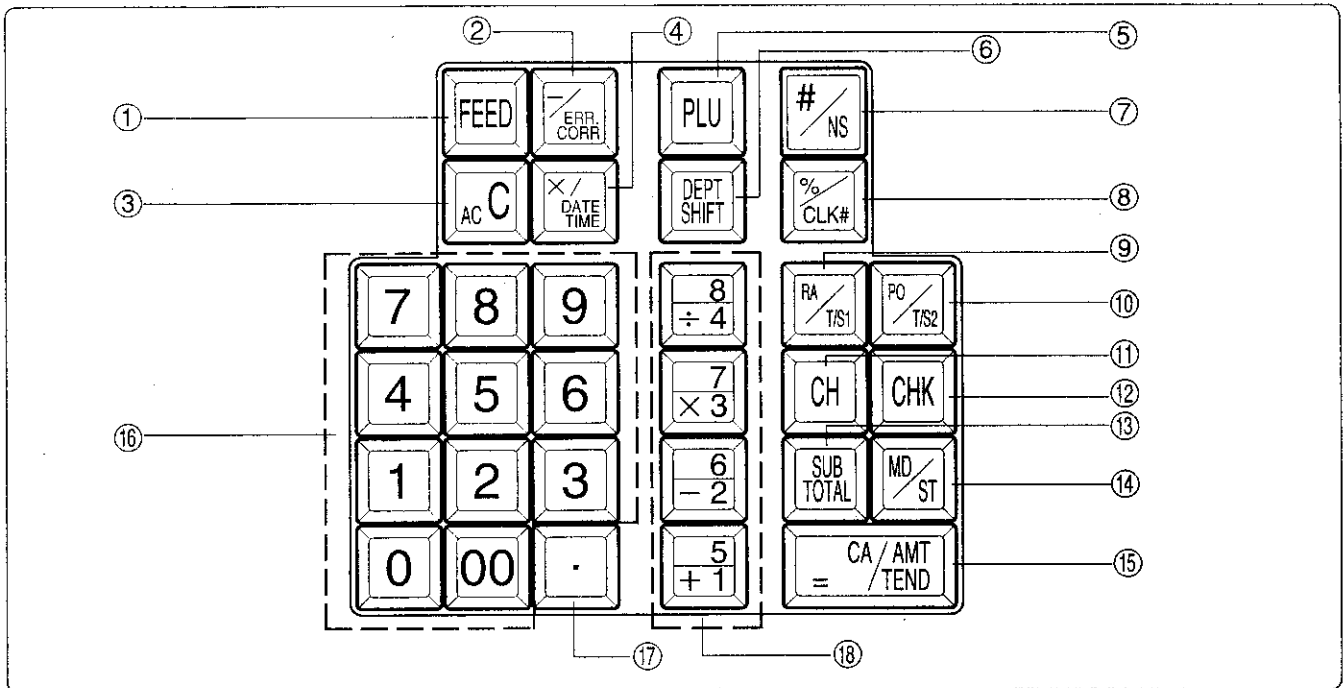
③ Number of Repeat Display

Anytime you perform "repeat registration" (page 13), the number of repeats appears here. Note that only one digit is displayed for the number of repeats.

④ Numeric Display

Entered values (unit prices or quantities) and calculated values (subtotals, totals or change amount due) are displayed here. The capacity of the display is 8 digits. This part of the display can be used to show the current time or date between registrations (page 31).

Keyboard



Certain keys have two functions; one for register mode and one for calculator mode.

In this manual, we will refer to specific keys as noted below to make the operations as easy to understand as possible:

Register Mode

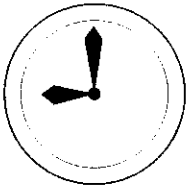
- ① **FEED** Feed Key
- ② **ERR CORR** Minus/Error Correction Key
- ③ **AC C** Clear Key
- ④ **DATE TIME** Multiplication/Date Time Key
- ⑤ **PLU** PLU (Price Look Up) Key
- ⑥ **DEPT SHIFT** Department Shift Key
- ⑦ **#/NS** Reference Number/No Sale Key
- ⑧ **%/CLK#** Percent/Cashier ID No. Assignment Key
- ⑨ **RA/T/S1** Received On Account/Tax Status 1 Shift Key
- ⑩ **PO/T/S2** Paid Out Key/Tax Status 2 Shift Key
- ⑪ **CH** Charge Key
- ⑫ **CHK** Check Key
- ⑬ **SUB TOTAL** Subtotal Key
- ⑭ **MD/ST** Merchandise Subtotal Key
- ⑮ **= CA/AMT TEND** Cash Amount Tendered Key
- ⑯ **0, 1 ~ 9, 00** Numeric Keys and 2-zero key

- ⑰ **.** Decimal key
 - ⑱ **+1 -2 x3 ÷4** Department Keys
- * Departments 5 through 8 are specified by pressing the **DEPT SHIFT** key respectively as follows:
- DEPT SHIFT** **+1** → Department 5 **DEPT SHIFT** **x3** → Department 7
 - DEPT SHIFT** **-2** → Department 6 **DEPT SHIFT** **÷4** → Department 8

Calculator Mode

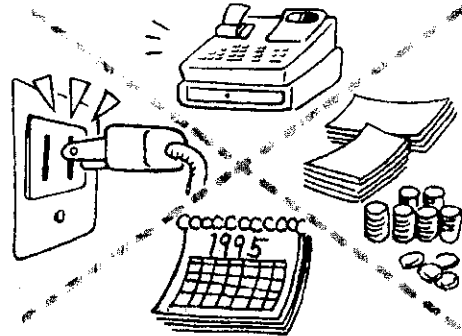
- ③ **AC c** AC Key
- ⑤ **PLU** Memory Recall key
- ⑧ **%/CLK#** Percent Key
- ⑯ **0, 1 ~ 9, 00** Numeric Keys and 2-zero key
- ⑰ **.** Decimal key
- ⑱ **+1 -2 x3 ÷4** Arithmetic Operation Keys
- ⑮ **= CA/AMT TEND** Equal Key

Daily Job Flow



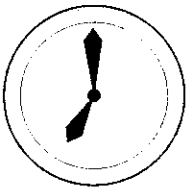
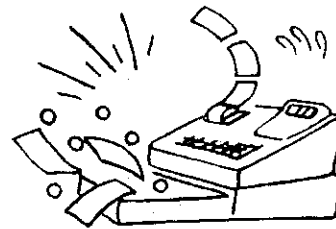
Before Opening The Store

1. Plugged in?
2. Enough Roll Paper?
3. Date and Time is correct?
4. Enough small change in the drawer?



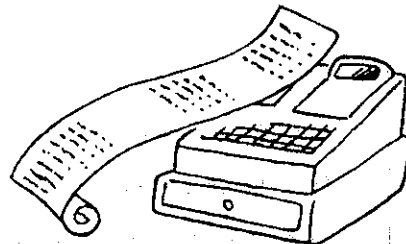
While The Store Is Open

1. Registrations.
2. Issuing latest daily sales total if needed.
(Generating report by Mode Switch to X position.)



After Closing The Store

1. Issuing Daily Sales Total.
(Resetting report by Mode Switch to Z position.)
2. Picking up money in the drawer.
3. Turn the Mode Switch to OFF.





QUICK START OPERATION

Part-1

1. Initialization and Loading Memory Protection Battery

Important

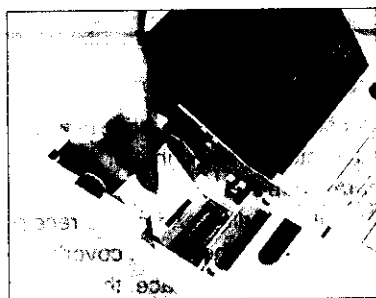
You must initialize the Cash register and install the memory protection batteries before you can program the cash register.

► To initialize the cash register

1. Set the Mode Switch to OFF.
2. Plug the power cord of the cash register into an AC outlet.
3. Load the memory protection batteries.
4. Set the Mode Switch to REG.

► To load the memory protection batteries

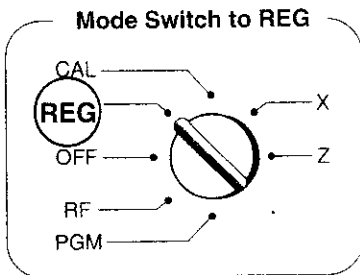
1. Remove the printer cover.
2. Press down on the oval just behind the printer paper inlet, and slide the battery compartment cover toward the back of the cash register (Figure 1).
3. Load 3 new UM-3, R6P (SUM-3) or LR6 (AM-3) type batteries into the compartment. Be sure that the plus (+) and minus (-) ends of each battery are facing in the directions indicated by the illustrations inside the battery compartment.
4. Slide the memory protection battery compartment cover back into place.
5. Replace the printer paper and printer cover.



(Figure 1)

REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.

2. Loading Paper Roll And Replacing The Printer's Ink Roll



1. To load journal paper

- ① Remove the printer cover by lifting up the back.



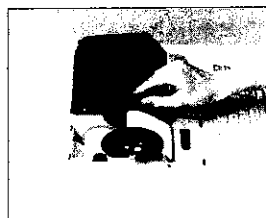
- ② Put a roll of journal paper into the holder.
- ③ Cut the leading end of the roll paper with scissors and insert the paper into the inlet.



- ④ Press the **FEED** key until 20 or 30 cm of paper is fed from the printer.
- ⑤ Roll the paper onto the take-up reel a few turns.



- ⑥ Set the left plate of the take-up reel and place the reel into the register.



- ⑦ Press the **FEED** key to take up any slack in the paper.
- ⑧ Replace the printer cover by placing the cover's front tab into the register's groove.

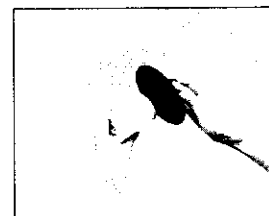


2. To remove journal paper

- ① Remove the printer cover following the instructions above.
- ② Press the **FEED** key until approximately 20cm of the paper is fed from the printer.
- ③ Cut off the roll paper.



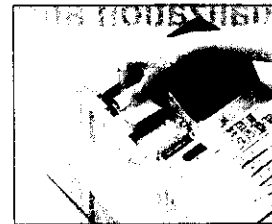
- ④ Remove the take-up reel from the printer and take off the left plate of the reel.
- ⑤ Remove the journal paper from the take-up reel.



- ⑥ Cut off the paper left in the printer and press the **FEED** key until the remaining paper is fed out from the printer.



- ⑦ Remove the core of the paper.



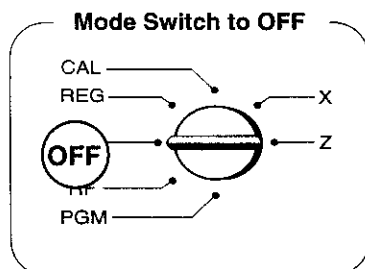
- ⑧ Load new paper following the instructions above, and replace the printer cover.

Default printer setting is for Journal.

To print receipts, please refer to 1-7-3 on page 23 to switch the printer for Receipt or Journal.

► To load receipt paper

- ① To use the printer to print receipts, follow steps 1 through 4 of "To load journal paper".
- ② Pass the leading end of the receipt paper through the printer cover's paper outlet and replace the printer cover.
- ③ Tear off any excess paper.



► To replace the ink roll

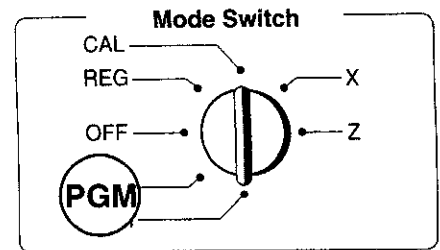
- ① Remove the printer cover.
- ② Lift up the tab on the ink roll marked "PULL UP".



- ③ Install a new Ink Roll and press it down firmly but gently until it snaps into place.
- ④ Replace the printer cover onto the cash register.
- ⑤ Press the **#/NS** key to check for correct operation.

Options: Roll paper - P-5860
Ink Roll - IR-40

3. Basic Programming for QUICK START



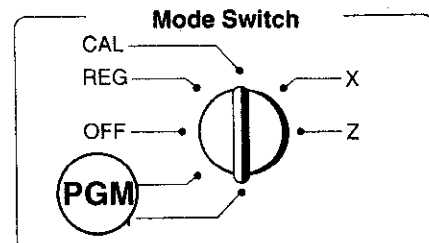
Part-1

Procedure	Purpose
1. Insert the PROGRAM key (marked "PGM") and rotate to PGM position.	Programming
<p>2. Press the following keys to set the current time.</p> <p>Example: 13:18 PM = 1318</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <div>1</div> <div>3</div> <div>1</div> <div>8</div> </div> <div style="margin: 0 10px;"> <div>Time</div> <div>Minutes</div> </div> <div style="text-align: center;"> <div>1</div> <div>8</div> </div> </div> <p>• Enter 4 digits • 24-hour time format</p>	Setting the current time
<p>3. Press the following keys to set the current date.</p> <p>Example: January 8, 1995 = 950108</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <div>9</div> <div>5</div> <div>0</div> <div>1</div> <div>0</div> <div>8</div> </div> <div style="margin: 0 10px;"> <div>Year</div> <div>Month</div> <div>Date</div> </div> <div style="text-align: center;"> <div>1</div> <div>8</div> </div> </div> <p>• Enter 6 digits • Enter last 2 digits for year set. (1995 → 95)</p>	Setting the current date
<p>4. For USA</p> <p>Find the tax table for your state on pages 9 through 12 of this manual.</p> <p>Press the following keys to set the tax tables 1 and 2.</p> <p>Example 1: Set Alabama state tax 4%.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <div>0</div> <div>1</div> <div>2</div> <div>5</div> <div>0</div> <div>1</div> <div>1</div> <div>0</div> <div>3</div> <div>0</div> <div>5</div> <div>4</div> <div>7</div> <div>3</div> <div>1</div> <div>1</div> <div>0</div> </div> <div style="margin: 0 10px;"> <div>SUB TOTAL</div> <div>SUB TOTAL</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>= CA / AMT / TEND</div> <div>SUB TOTAL</div> </div> <div style="text-align: left;"> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 1</p> <p>1st code for 4%</p> <p>Last code for 4%</p> <p>(to end the setting)</p> </div> </div>	Setting the Tax table 1

ALABAMA			
4%	5%	6%	6%
0	0	0	0
1	1	1	1
1	1	1	1
10	10	8	9
30	29	24	20
54	49	41	40
73	69	58	55
110	89		70
	110		90
			109

FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-638-9228

Part-1 QUICK START OPERATION



Procedure	Purpose
<p>Example 2: Set Colorado state tax 5.25%.</p> <div><div><div>3</div><div>SUB TOTAL</div></div><div><div>0</div><div>2</div><div>2</div><div>5</div><div>SUB TOTAL</div></div><div><div>5</div><div>.</div><div>2</div><div>5</div><div>=</div><div>CA / AMT TEND</div></div><div><div>5</div><div>0</div><div>0</div><div>2</div><div>=</div><div>CA / AMT TEND</div></div><div><div>SUB TOTAL</div></div></div> <div><p>P3 appears in mode display</p><p>Program set code No. for Tax table 2</p><p>5.25% tax</p><p>50 for Round off and 02 for Add On</p><p>(to end the setting)</p></div>	<p>Setting the Tax table 2</p> <div><div>COLORADO</div><div>5.25%</div><div>5.25</div><div>5002</div></div>
<ul style="list-style-type: none">Tax table 2 programming can set only tax rate, but not for a tax break point.	
<p>4. For CANADA</p> <p>Find the tax table for your province on page 12 of this manual.</p> <p>Press the following keys to set the tax tables 1 and 2.</p> <p>Example 1: Set Quebec tax 9%.</p> <div><div><div>3</div><div>SUB TOTAL</div></div><div><div>0</div><div>1</div><div>2</div><div>5</div><div>SUB TOTAL</div></div><div><div>9</div><div>=</div><div>CA / AMT TEND</div></div><div><div>9</div><div>0</div><div>0</div><div>2</div><div>=</div><div>CA / AMT TEND</div></div><div><div>SUB TOTAL</div></div></div> <div><p>P3 appears in mode display</p><p>Program set code No. for tax table 1</p><p>9% tax</p><p>90 for round up and 02 for Add On.</p><p>(to end the setting)</p></div>	<p>Setting the Tax table 1</p> <div><div>CANADA</div><div>QUEBEC</div><div>9%</div><div>9</div><div>9002</div></div>
<ul style="list-style-type: none">Tax table 1 programming is used for the tax table includes break points and tax rate.	
<p>Example 2: Set Ontario tax 10%.</p> <div><div><div>3</div><div>SUB TOTAL</div></div><div><div>0</div><div>2</div><div>2</div><div>5</div><div>SUB TOTAL</div></div><div><div>1</div><div>0</div><div>=</div><div>CA / AMT TEND</div></div><div><div>5</div><div>0</div><div>0</div><div>4</div><div>=</div><div>CA / AMT TEND</div></div><div><div>SUB TOTAL</div></div></div> <div><p>P3 appears in mode display</p><p>Program set code No. for tax table 2</p><p>10% tax rate</p><p>50 for Round off and 04 for tax on tax code</p><p>(to end the setting)</p></div>	<p>Setting the Tax table 2</p> <div><div>CANADA</div><div>ONTARIO</div><div>10%</div><div>10</div><div>5004</div></div>
<ul style="list-style-type: none">Tax table 2 programming can set tax rate and the tax table includes Tax-on Tax code (5004) as above example, but not for a tax break point.	
<p>Tax status for the Departments are fixed as follows:</p> <p>Departments 1~4: Taxable status 1 and 2.</p> <p>Departments 5~8: Non-Taxable status.</p> <ul style="list-style-type: none">See page 18 to change the fixed tax status.	

FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-661-2274 in Canada

Tax Tables for USA
Part-1
A

ALABAMA							
4%	5%	6%	6%	6% (4+1+1)	7%	8%	
0	0	0	0	0	0	0	
1	1	1	1	1	1	1	
1	1	1	1	1	1	1	
10	10	8	9	10	7	6	
30	29	24	20	20	21	18	
54	49	41	40	36	35	31	
73	69	58	55	54	49	43	
110	89		70	70	64	56	
	110		90	85	78	68	
			109	110	92	81	
					107	93	
						106	

ALASKA							
KENAI 2%	3%	HOMER/ SELDOTNA 3%	HAINES 4%	JUNEAU 4%	KENAI 5%	KENAI/SEWARD & SELDOTNA 5%	6%
0	0	0	0	0	0	0	159
1	1	1	1	1	1	1	179
1	1	1	1	1	1	1	199
10	10	10	10	10	10	10	219
30	29	25	19	12	13	09	239
54	49	34	37	37	25	29	259
73	69	34	62		46	49	279
110	89	75			75	69	300
	110	127			79	89	
	150	155			118	109	
	183	177			127	129	
	216	227			151	159	

ARIZONA							
4%	5%	6%	6.5%	6.7%	7%		
0	0	0	175	0	161	0	156
1	1	1	191	1	176	1	171
1	1	1		7	192	7	186
10	10	10		7	207	7	201
37	27	22	23	223	22	216	21
	47	39	38	238	37	231	35
	68	56	53	253	52	246	49
	89	73	69	269	67	261	64
	109	90	84	284	82	276	78
		107	99	299	97	291	107
		125	115		111		
		141	130		126		
		158	146		141		

ARKANSAS							
3%	4%	5%	6%	7%	7.5%		
0	0	0	0	0	0	0	
1	1	1	1	1	1	1	
1	1	1	1	1	1	2	
14	12	10	8	7	6		
44	37	20	24	21	19		
74		40	41	36	33		
114		60	58	49	46		
		80		64			
		110		78			
				92			
				107			

C

CALIFORNIA														
6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	7.75%	8.25%	8.5%	10% Parking				
0	141	0	0	130	299	6.75	0	121	278	7.25	0	7.75	8.25	0
1	158	1	1	146	5002	1	135	292	5002	1	184	1	1	1
7		7	7	161		10	149	307		1	123	11	104	
10		10	10	176		34	20	178		5	135	99	114	
22		21	20	192		48	33	192		17	147	99	124	
39		37	35	207		64	47	207		29	158	99	134	
56		54	51	223		80	62	221		41	170	99	144	
73		70	67	238		96	76	235		52	182	99	154	
90		86	83	253		111	91	249		64	194	99		
108		103	99	269						76	205	99		
124		119	115	284		107	264			88		99		

COLORADO																	
1.5%	2%	2.5%	3%	3.5%	3.6%	3.85%	4%	4.5%	5%	5.25%	5.5%	5.6%	5.75%	6%	6.35%	6.4%	6.45%
0	0	0	0	0	0	264	0	0	0	5.25	0	172	0	168	0	165	0
1	1	1	1	1	1	291	1	1	1	5002	1	190	1	186	1	182	1
1	1	1	3	2	5	319	2	2	5		6	209	7	204	8	199	2
33	24	19	17	17	17	347	16	17	17	17	17	227	16	222	17	217	17
99	74	59	49	42	41	375	37	37	33	299	29	18		27	245	25	240
166			83	71	69		63	62	55		51			45	263	43	43
233			116	99	97				77		68			63	281	61	60
			149	128	124				99		84			81	299	79	78
			183	157	152				122		118			99		97	95
				185	180				144					118	115	113	
				214	208				166					136	132	130	
				242	236				188					154	150	147	

COLORADO										
6.5%	6.6%	7%	7.01%	7.1%	7.2%	7.25%	7.3%	7.5%	8%	
0	146	6.6	0	135	7.01	7.1	0	131	7.25	0
1	161	5002	1	149	5002	5002	1	145	5002	1
2	176		4	17			2	159		3
17	192		17	21			17	173		6
23	207		21	35			20	187		19
36	223		35	49			34	201		33
53			49	64			48	215		47
69			64				62	229		61
84			78				76	243		75
99			92				90	256		89
115			107				104			102
130			121				118			116

CONNECTICUT					
5.25%	6%	7%	7.5%	8%	
0	198	0	0	0	0
1	218	1	1	1	1
2		2	1	3	1
16		8	7	6	6
27		24	21	19	18
46		41	35	33	31
65		58	49	46	
84		74	64	59	
103		91	78	73	
122		108	92		
141		124	107		
160					
179					

D

DISTRICT OF COLUMBIA					
D.C. 5%	D.C. 5.75%	D.C. 6%	D.C. 6%	D.C. 6%	D.C. 7.3%
0	5.75	0	0	0	0
1	5002	1	1	1	1
1	08				6
10		12	8	12	6
22		17	24	16	16
42		35	41	27	27
82		53	58	39	38
62		71	74	50	49
110		89	91	62	61
		112	108	75	72
				80	83
				112	94

F

FLORIDA					
4%	5%	Combined 5.25%	6%	6.2%	PANAMA CITY BEACH 6.5%
0	175	0	5.25	0	6.2
1	209	1	5002	1	5002
5		1		1	
9		9		9	
25		20		16	
50		40		33	
75		60		50	
109		80		66	
125		109		83	
150				109	

G

GEORGIA			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
1	1	1	1
10	10	10	10
35	25	20	20
66	50	40	35
110	75	60	50
	110	80	67
		110	85
			110

H

HAWAII
4%
0
1
1
12
37

Part-1 QUICK START OPERATION

I

IDAHO

3%	4%	4.5%	5%
0	0	0	227
1	1	1	1
1	2	1	2
15	11	15	11
42	32	27	25
72	57	49	45
115		71	
		93	
		115	
		137	
		160	
		183	
		205	

ILLINOIS

1%	1.25%	2%	5%	6%	6.25%	6.5%	6.75%	7%	7.5%	7.75%	8%	8.75%
0	0	0	0	0	0	161	6.75	0	0	7.75	0	8.75
1	1	1	1	1	1	176	5002	1	1	5002	1	5002
1	1	1	6	1	1	192		1	1	06	1	05
49	39	24	12	8	7	207		8	6		6	
148	119	74	25	24	23			22	19		18	
		46	41			38		36	33		31	
		67	58			53		50	46			
		88				69		65				
		109				84		79				
		129				99		93				
						115		108				
						130						
						146						

INDIANA

1%	4%	5%	MARION County	RESTAURANT
0	0	0	0	0
1	1	1	1	1
1	2	1	2	1
49	15	9	15	9
148	37	29	37	29
	62		49	49
			62	49
			87	69
			112	89
			137	109

K

IOWA

4%	5%	6%
0	0	0
1	1	1
1	1	1
12	9	8
37	29	24
50		41
75		58
		74
		91
		108

KANSAS																				
2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	5%	5.25%	5.5%	5.65%	5.9%	6%	6.15%	6.4%	6.5%			
0	0	3.1	0	323	0	0	279	0	4.1	0	0	5.25	0	190	5.65	5.9	0	6.15	6.4	6.5
1	1	5002	1	353	1	1	306	1	5002	1	1	5002	1	209	5002	5002	1	5002	5002	5002
1	1	16	1	384	1	1	333	1	12	1	1	1	1	08	08	7	08	07	07	
19	16		15	415	14	13	359	12	11	9	9	9				8				
59	49		46		42	39	386	37	33	29	27	27				24				
99	83		76		71	66	413	62	55		45	45				41				
139	118		107		99	93		87	77		63	63				58				
179			138		128	119		112	99		81	81				74				
			169		157	146			122		99	99				91				
			199		185	173			144		118	118				108				
			230			199			166		136	136				124				
			261			226			188		154	154				141				
			292			253			211		172	172				158				

L

KENTUCKY

9.5%	10%
0	110
1	121
1	131
05	142
15	152
26	163
36	173
47	184
57	194
68	
78	
89	
99	

LOUISIANA

2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%
0	0	0	0	0	0	0	161	0	0	0
1	1	1	1	1	1	1	176	1	1	1
2	2	2	1	6	2	17	192	1	2	7
24	16	12	11	10	8	7	207	7	6	4
74	49	37	33	27	24	23	223	21	19	16
124	82	62	55	47	41	38	238	35	33	29
174	116	87	77	67	58	53	253	49	46	42
224	149	112	99	87	74	69	269	64	59	55
			122	109		84	284			67
			144	129		99	299			80
			166			115	315			93
			188			130	330			106
			211			146				105

M

MAINE

5%	6%	7%
0	0	7
1	1	0002
1	1	7
10	09	21
20	16	35
40	33	49
60	50	64
80	66	78
110	83	92
	108	100

MARYLAND

4%	5%	Meals Tax
0	0	0
1	1	1
1	1	1
2	2	7
24	19	99
25	20	99
50	40	99
		99
		100
		120
		140

MASSACHUSETTS

4.625%	5%
0	227
1	248
13	270
10	291
32	313
54	335
75	356
97	378
118	399
140	421
162	443
183	
205	

MICHIGAN

4%	6%
0	0
1	1
1	2
12	10
31	24
54	41
81	58
108	74
135	91
162	108
187	124

MINNESOTA

6%	6.5%	7%	8.5%
0	0	161	0
1	1	176	1
1	1	192	1
8	7	207	7
24	23	21	17
41	38	35	29
58	53	49	41
	69	64	52
	84	78	64
	99	92	76
	115	107	88
	130		99
	146		111

MISSISSIPPI

5%	6%	7%	8%	8.5%	9%	9.25%
0	0	0	0	123	0	9.25
1	1	1	1	137	1	5002
6	1	1	1	147	1	05
11	8	7	6	158	5	
26	24	21	18	170	16	
47	41	35	31	182	27	
68	58	49	43	194	38	
88	74	64	56	205	49	
109	91	78	68	64	61	
129	108	92	81	76	72	
		107	93	88	83	
			106	99	94	
				111	105	

MISSOURI																					
4.225%	4.6%	4.625%	4.725%	4.75%	4.8%	4.875%	5.05%	5.1%	5.225%	5.6%	5.625%	5.725%	6.1%	6.225%	6.3%	6.425%	6.475%				
0	0	0	227	0	0	0	211	0	5.225	0	187	0	5.725	0	0	168	0	162			
1	1	1	248	1	1	1	1	1	5002	1	205	1	5002	1	1	184	1	177			
1	1	13	270	4	3	3	1	5	1	15	223	1	1	2	200	8	198	1	193		
11	10	10	291	10	10	10	10	9	9	8	241	8	8	8	216	7	214	7	208		
35	32	32	313	31	22	31	30	19	29	26	258	26	24	24	232	23	230	23	225	23	223
59	54	54	335	52	43	52	50	39	49	44	276	44	40	40	248	39	246	38	241	38	239
82	76	75	356	74	65	72	70	59	68	62	294	62	57	56	265	55	54	54	256	54	254
	97	97	378	95	86	93	90	79	88	80	312	79	73	72	71	70	272	69	270	69	270
								98	107	98	330	97	90	88	87	85	267	84	265	84	265
										115	348	115		104	103	101		100	301	100	301
										133	366	133		120	119	116		115	316	115	316
										151	383	151		136	134	132		131	332	131	332
										169		168		152	150	147		146		146	

N

NEBRASKA

6.55%	6.725%	7.225%
0	160	7.225
1	175	5002
9	190	5002
7		
22		
38		
53		
68		
83		
99		
114		
129		
145		

NEVADA

3%	3.5%	3.75%	6%	6.25%	6.5%	6.75%	7%
0	0	299	5.75	0	0	167	0
1	1	326	5002	1	1	183	1
2	6	357		2	2	199	1
14	14			8	7	215	7
49	38			24	23		21
83	64			41	39		35
118	88			58	55		49
149	118			74	71		64
	157				87		78
	185				103		92
	214				119		107
	242				135		
	271				151		

Part-1 QUICK START OPERATION

N

NEW HAMPSHIRE				NEW JERSEY				NEW MEXICO											
Rooms & Meals		Rooms & Meals		3%	3.5%	6%	7%	3.75%	4.25%	4.375%	4.5%	4.875%	5.175%	5.25%	5.375%	5.575%	5.75%		
7%	7%	8%																	
0	129	0	128	0	0	0	0	0	280	0	247	0	239	0	4.875	5.175	0	199	5.375
1	143	1	142	1	1	1	1	1	306	1	270	1	1	1	5002	5002	1	217	5.575
8	158	8	157						333	1	294	1	1	1			11		5.75
14	172	35	171						359	11	317	11	11				9		5002
26	186	35	185						40	35	341	34	33				28		
39	201	38	200						67	58	364	57	55				47		
51		50							93	82	388	79	78				66		
63		62							120	105	411	102	100				85		
75		74							146	129		125	122				104		
88		87							173	152		148	144				123		
101		100							200	176		171	167				142		
115		114							226	199		194	189				161		
									253	223		217	211				180		

NEW YORK												ERIE		SUFFOLK County	
4%	5%	5.25%	5.75%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	8.5%	8%	8%	8.25%	
0	0	5.25	5.75	0	141	0	130	6.75	0	121	7.25	0	113	8.5	0
1	1	5002	5002	1	158	1	146	5002	1	135	5002	1	126	5002	1
4										8	149		10	131	9
9										10	164		10	144	10
23										18	178		17	17	17
40										33	192		29	29	29
56										47	207		42	42	42
72										62			55	54	54
88										76			67	67	67
104										91			80	79	79
120										107			92	92	92
136															
153															

NORTH CAROLINA						NORTH DAKOTA									
CHEROKEE Reservations						3%	4%	4%	5%	5.5%	6%	6.5%	7%	8%	
0	0	0	188	0	0	0	0	0	0	182	0	0	170	0	0
1	1	1	211	1	1	1	1	1	1	200	1	1	185	1	1
4	5	6	233	6	2	2	2	2	2	219	3	2	200	2	3
9	9	9	255	8	10	8				15	15	15	216	15	15
35	29	25	277	23	24	24				17	31	231	15	15	15
70	59	53	299	48	41	41				34	47	29	25	25	25
116	84	75	322	67	58	58				50	62	43	38	38	38
149	112	95		85	74	74				67	77	58	50	50	50
183	137	122		109		91				93	93	72	63	63	63
216	144	129		129		108				110	108	86	75	75	75
						128				124	124	100	88	88	88
						146				139	139	115	100	100	100
						164				154	154				

O

OHIO										OKLAHOMA									
MEIGS Co.					CUYAHOGA Co.					2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%
0	0	146	5.75	0	0	123	0	115	0	0	0	323	0	4.25	0	0	5.25	0	0
1	1	164	5002	1	1	138	1	128	1	1	1	353	1	5002	1	1	5002	1	1
2	2	182		2	2	153	3	13	3	1	1	384	1		2	1		1	1
15	15	200		15	15	169	15	15	15	24	16	415	12		11	9		8	7
20	18	218		17	16	184	15	15	15	74	49	446	37		33	29		24	23
	36			34	34	200	28	28	28		83	476			55			41	
	54			50	50	215	42	42	42		116	507			77			58	
	72			67	67	230	57	57	57			538			99				
	90			83	83	250	71	71	71			569			121				
	109			100	100	250	85	85	85			599			144				
	127			117	117	250	100	100	100			292							

P

7%	7.25%	7.375%	8%	8.25%	9.25%	10.25%
0	7.25	7.375	0	0	0	0
1	5002	5002	1	1	1	1
6		6	1	1	4	1
8			6	6	5	4
22			18	18	16	14
37			31	30	27	24
51				42	37	34
65				54	48	43
79				66	59	
94				78	70	
108				90	81	
122				103	91	

R

PENNSYLVANIA		RHODE ISLAND	
6%	7%	6%	7%
0	0	0	0
1	1	1	1
1	5	6	5
10	10	9	7
17	17	26	21
34	34	42	35
50	50	57	49
67	67	73	64
84	84	90	78
110	110	106	92
		123	107
		140	121
			135

S

SOUTH CAROLINA		
CHARLESTON		
4%	5%	6%
0	0	0
1	1	1
1	1	1
5	6	2
10	10	10
25	20	24
50	40	41
75	60	41
112	80	58
137	109	74
	129	91
		108
		124

SOUTH DAKOTA									
4%	5%	5.5%	6%	6.5%	7%				
0	0	0	190	0	0	161	0	149	
1	1	1	210	1	1	176	1		
1	1	1		1	1	192	1		
12	10	10		9	7	207	7		
37	30			26	23		21		
				46	43		35		
				64	60		49		
				82	78		64		
				100	92		78		
				118	109		92		
				136			107		
				154			121		
				172			135		

T

TENNESSEE																	
COUNTY TAX																	
4.5%	5.5%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	7.75%	8%	8%	8.25%	8.5%	8.75%			
0	188	0	154	354	0	0	0	121	0	117	0	7.75	0	0	106	8.25	0
1	211	1	172	372	1	1	1	146	1	130	1	5002	1	1	118	5002	1
6			6		2	2	2	161	8	155	2				2	123	
11			10	209	10	10	10	178	10	170	10				10	135	
33			27	227	24	23	23	192	22	185	21				17	147	
55			45	245	41	38	38	207	37	199	35				29	158	
77			63	263	58	55	53	223	51	214	49				41	170	
99			81	281	74	71	69		66	229	64				52	182	
122			99	299		87	84		81	244	78				64	194	
144			119	318			99		96	259	92				76	205	
166			136	336			115		111	274	107				93	217	

Part-1 QUICK START OPERATION

TEXAS																							
												HOUSTON (Harris County)											
4%	4%	4.125%		4.625%	5%	5.125%	5.25%	5.375%	5.5%	5.625%	6%	DALLAS 6%	6%	6.125%	6.25%	6.25%	6.75%	7%					
0	0	0	181	424	4.625	0	5.125	0	142	5.375	0	137	0	133	0	6.125	0	119	6.250	6.75	0	107	
1	1	1	206		5002	1	5002	1	181	5002	1	55	1	151	1	1	1	5002	1	5002	5002	1	1
1	1	1	230			1		12	180		1	173	1	168	1	1	1		1		1	1	
12	12	12	254			9		9	199		9	191	8		8	9	8		7		7	7	
37	37	36	278			28		28	219		27	209	26		24	25	24		23		21	21	
	62	60	303			49		47	238		45		44		41	42	41		39		35	35	
	87	84	327			69		66			63		62		58	59	58		55		49	49	
		109	351					85			81		79		74		74		71		64	64	
		133	375					104			99		97		91		91		87		78	78	
		157	399					123			118		115		108		103				92	92	

U

V

<u>7.25%</u>	<u>7.5%</u>	<u>7.75%</u>	<u>8%</u>	<u>8.25%</u>	
7.25	0	0	96	0	8.25
5002	1	1	109	1	5002
	1	5	122	1	
	6	6	135	6	
	19	19	148	18	
	33	32	161	31	
	46	45	174		
	59	58	187		
	73	70			
	86	83			

4.75%	5%	5.25%	5.375%	5.5%	5.75%	6%	6.25%	7%	7.25%
0	221	0	199	0	190	5.75	0	0	7.25
1	242	1	219	1	209	5002	1	1	5002
1	263	1	238	1	228		2	4	2
10	284	9	257	9	247		8	7	7
31	305	29	278	27	27		24	23	21
52	326	47	295	46	45		41	27	35
73	347	66	314	65	63		58	47	49
94	368	85	333	83	81		74	63	64
115	389	104	352	102	99				78
136	410	123	371	118					92
157		142	390	136					107
178		161	409	154					
199		180		172					

3%	4%	5%	6%
0	0	0	0
1	1	1	1
4	2	2	0
13	10	10	18
33	25	20	31
66	50	40	43
100		80	56
133		100	68
166		120	81
200		140	93
			100

VIRGINIA																			
ARLINGTON COUNTY				FAIRFAX				FAIRFAX CITY				HAMPTON				LEESBURG			
4%	4%	4.5%	4.5%	5.5%	5.5%	6.5%	6.5%	Meals tax	Meals tax	Meals tax	Meals tax	Restaurant	Restaurant	Restaurant	Restaurant	Meal tax	Meal tax	Restaurant	Restaurant
0	214	484	0	0	188	0	149	0	124	0	114	0	114	284	0	0	0	7.5	0
1	234	512	1	1	211	1	166	1	144	1	134	1	134	1	1	1	1	5002	1
21	259	537	2	5	233	4	188	1	166	13	149	1	144	1	1	1	1		1
14	284		12	15	255	11	211	11	174	14	159	7	14		14				
34	314		37	33	277	14	233	24	188	29	184	21	14		14				
59	334		62	55	299	33	249	33	211	34	184	35	34		34				
84	359		87	77		55	255			44	214	49	59		59				
114	384		112	99		77				59	214	64	59		59				
134	414		137	122		99				74	234	78	84		84				
159	434			144		122				84	249	92	84		84				
0184	459			166		144				114	259	107	114		114				

W

VIRGINIA									
NORFOLK CITY					CITY OF RICHMOND				
Meal tax	9%				Food tax	9.5%			
0000	99	211	0	89	205	0	89	209	
0001	99	233	1	99		1	99		
6	122	233	1	110		1	109		
11	122		5	121		9	122		
33	144		15	131		11	129		
44	144		26	142		29	144		
44	166		36	152		33	149		
55	166		47	163		49	166		
55	188		57	173		55	169		
77	188		68	184		69	188		
77	211		78	194		77	189		

WASHINGTON															
7%	7.2%	7.3%	7.5%	7.55%	4.125%	7.8%	7.9%	8%	8.1%	Combined					
0	0	131	0	129	0	124	282	7.8	0	0	0	117	8.1		
1	1	1	1	143	1	139	1	1	138	0002	1	1	129	0002	
1	1	1	1	156	1	153	2	3	151	7	2	1	14	141	6
7	6	6	6	170	6	166	7	6	164	19	6	6	6	154	18
21	20	19	184	19	179	19	19	177	32	18	18	18	168	30	
35	34	33	198	33	193	33	32	190	44	31	31	30	179	43	
49	48	47	211	46	206	46	46	203	57	44	43	43	191	55	
64	62	61	225	59	59	59	59	217	70	56	55	55	203	67	
78	76	74	239	73	72	72	72	230	83				67	80	
92	90	88	252	86		85	85	243					80		
107	104	102		99		98	98	256					92		
	118	115		113		111	111	269				104			

WEST VIRGINIA				
2%	3%	4%	5%	6%
0	0	0	0	0
1	1	1	1	1
2	2	1	2	2
25	5	12	5	5
50	35	37	20	16
100	70		40	33
	100			50
	135			67
				84
				100
				116

WISCONSIN			
4%	5%	5.5%	
0	0	0	190
1	1	1	209
1	1	1	
12	10	9	
37	21	27	
	41	45	
	61	63	
	81	81	
	110	99	
		118	
		136	
		154	
		172	

WYOMING			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
2	2	2	3
24	24	24	24
49	37	29	24
83	62	49	34
116		69	51
149		89	68
		109	84

Tax Table for CANADA

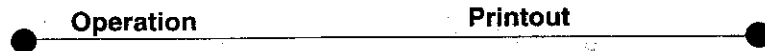
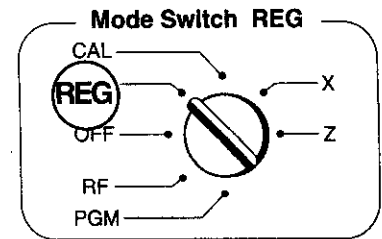
CANADA									
NOVA SCOTIA ²	ONTARIO ²	QUEBEC ²	NEWFOUNDLAND ²	ONTARIO ¹	BRITISH COLUMBIA ¹	MANITOBA/ SASKATCHEWAN	ONTARIO	N.B. & P.E.I. ¹	QUEBEC
10%	10%	10%	12%	12%	6%	6%	7%	8%	9%
10	10	10	12	0	0	6	7	0	9
5004	5004	5004	5004	1	1	5002	5002	1	9002
				4	2			3	
				25	14			25	
				25	24			25	
				25	41			31	
				29	58			43	
				37	74			56	
				45					
				54					

*1 Must be programmed into Tax Table 1.
*2 Must be programmed into Tax Table 2.

4. Basic Operation after Basic Programming

Note:

Whenever an error is generated (E01 displayed), the input figures reset to 0.



4-1 Open the drawer without a sale

#/NS

.....

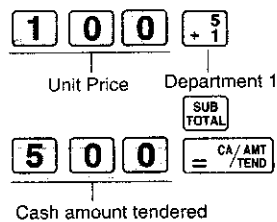
NS

No Sales Symbol

4-2 Basic operation

Example

Unit Price	\$1.00
Quantity	1
Dept.	1
Cash Amount tendered	\$5.00



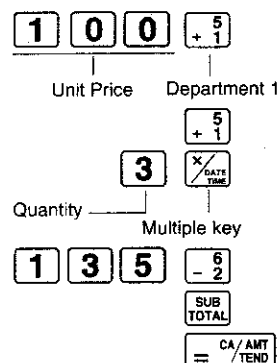
•1.00 1* Unit Price/Department No.
 •1.00 TA Subtotal
 •0.04 TX Tax
 •1.04 ST
 •5.00 CA Cash Amount Tendered
 •3.96 CG Change Amount Due

Departments 5 through 8 can also be registered in combination with the **DEPT** and **SHIFT** keys, respectively.
 [+ 5] [+ 6], [+ 7] or [+ 8] keys, respectively.

4-3 Multiple registration of the same items

Example

Unit Price	\$1.00	\$1.35
Quantity	2	3
Dept.	1	2



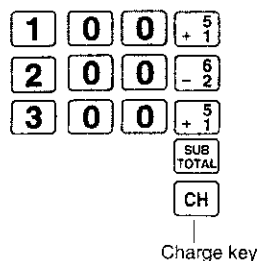
•1.00 1*
 •1.00 1* Repeat
 3 x Multiplication Symbol
 •1.35 @ Unit Price Symbol
 •4.05 2* Department No.
 •6.05 TA
 •0.24 TX
 •6.29 CA

Note that repeat registration can be used with unit prices up to 6 digits long.

4-4 Charge sales

Example

Unit Price	\$1.00	\$2.00	\$3.00
Quantity	1	1	1
Dept.	1	2	1

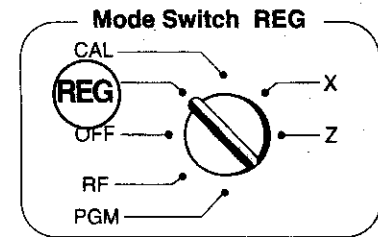


Charge key

•1.00 1*
 •2.00 2*
 •3.00 1*
 •6.00 TA
 •0.24 TX
 •6.24 CH Charge Sales

You cannot perform the amount tendered operation using the **CH** key.

Part-1 QUICK START OPERATION



4-5 Split cash/ charge sales

Example

Unit Price	\$2.00	\$3.00	\$4.00
Quantity	1	1	1
Dept.	1	2	1
Cash Amount tendered	\$5.00		

Operation

Printout

2 0 0 + 5
3 0 0 - 6
4 0 0 + 5
SUB TOTAL
5 0 0 = CA/AMT
CH

•2.00 1*
•3.00 2*
•4.00 1*
•9.00 TA
•0.36 TX
•9.36 ST
•5.00 CA Cash Amount Tendered
•4.36 CH Charge Sales

4-6 Corrections

Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

4-6-1 Before you press a department key

AC C key clears the last item entered.

Example

- Entered 400 for unit price by mistake instead of 100.

Operation

Printout

4 0 0 AC C
Wrong entry Clears the last item entered.
1 0 0 + 5
Correct entry Registered Department 1

•1.00 1*

- Entered unit price first instead of quantity and then pressed

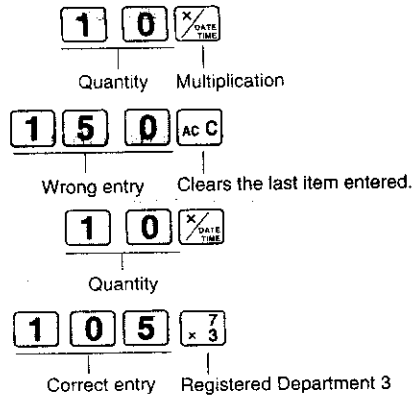
2 0 0
Unit price Multiplication
AC C
Clears the last item entered.
5
Quantity Multiplication
2 0 0 - 6
Unit price Registered Department 2

5 x
•2.00 @
•10.00 2*

Operation

Printout

3. Entered 150 for unit price by mistake instead of 105.



10 x
•1•05 @
•10•50 3*

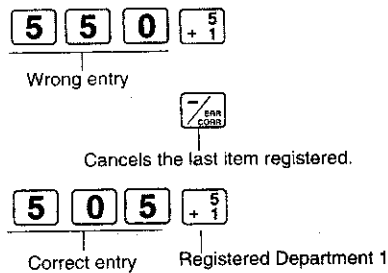
Part-1

4-6-2 After you pressed a department key

 key cancels the last registered item.

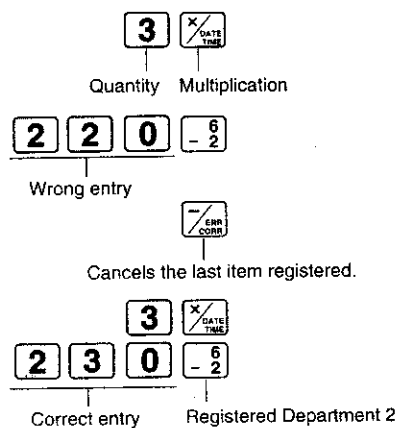
Example

1. Entered unit price 550 by mistake instead of 505 and pressed a department key.



•5•50 1*
-5•50 VD
•5•05 1*

2. Entered unit price 220 by mistake instead of 230 and pressed a department key.



3 x
•2•20 @
•6•60 2*
-6•60 VD
3 x
•2•30 @
•6•90 2*

5. Daily Management Report

This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

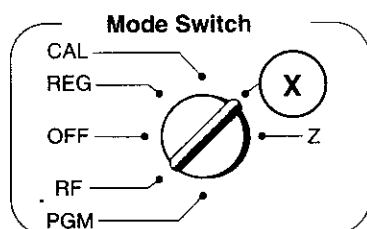
Important

Remember that when you issue a reset (Z) report, the data that is reported is cleared from the applicable totalizers. To view data without clearing totalizers, issue a read (X) report.

5-1 Financial Report

Operation

Printout



01-08-95	Date
14-27 0072	Time/Consecutive No.
X	Read Symbol
67 *	Gross Sales No. of Items
•270•48 *	Gross Sales Amount
38 NT	Net Sales No. of Customers
•271•24 NT	Net Sales Amount
•197•57 CA #	Cash Total in Drawer
•18•19 CH #	Charge Total in Drawer
•45•48 *CK	Check Total in Drawer

5-2 General Control Read/Reset Report

Operation

Printout

5-2-1 Daily Read/Reset Report

Mode Switch to **(X)**
(Read)



Z (Reset) report

01-08-95	Date
19-35 0073	Time/Consecutive No.
0001 Z	Non-resettable No. of Resets/RESET Symbol ¹
48 1	No. of Items/Dept. No.
•50•10	Amount
28 2	
•76•40	
17 3	
•85•80	
4 4	
•76•00	
1 5	
•6•50	
0 6	
•0•00	
0 7	
•0•00	
10 8	
•22•00	
108 *	Gross Sales No. of Items
•316•80 *	Gross Sales Amount

Mode Switch to **(Z)**
(Reset)



•0•50	-	Reduction Amount
•0•66	%+	Premium/Discount Amount
•105•10	TA	Taxable Amount for Tax Table 1
•4•20	TX	Tax Amount for Tax Table 1
•75•60	* TA	Taxable Amount for Tax Table 2
•3•97	TX 2	Tax Amount for Tax Table 2
46	NT	Net Sales No. of Customers
•325•13	NT	Net Sales Amount
•325•13	1	Clerk Sales Amount/ Clerk No.
44	CA	Cash Sales Count
•203•91	CA	Cash Sales Amount
3	CH	Charge Sales Count
•16•22	CH	Charge Sales Amount
2	CK	Check Sales Count
•105•00	CK	Check Sales Amount
•6•00	RA	Received On Account Amount
•10•00	PO	Paid Out Amount
3	VD	Error Correction Count
1	RF	Refund (by MODE operation) Count
•3•00	RF	Refund (by MODE operation) Amount
5	CA ×	No. of $\frac{CA}{AMT}$ key operation
1	NS	No-sales Count
•199•91	CA #	Cash in Drawer
•16•22	CH #	Charge in Drawer
•105•00	* CK	Check in Drawer
000000		Non-resettable Grand Sales Total
0325•13		(printed only on RESET report)*2

* X (Read) report is the same except *1 and *2.

5-2-2 Periodic Read/Reset Report

Operation

Printout

Mode Switch to

(X) or (Z)

1 0 = CA / AMT / TEND

01-08-95	—	Date
19-50 0074	—	Time/Consecutive No.
10	×	Read Symbol
67	*	Gross Sales No. of Items
•270•73	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount



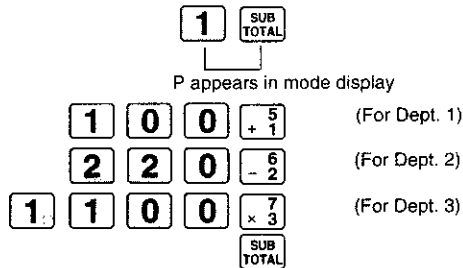
CONVENIENT OPERATION

1. Various Programming

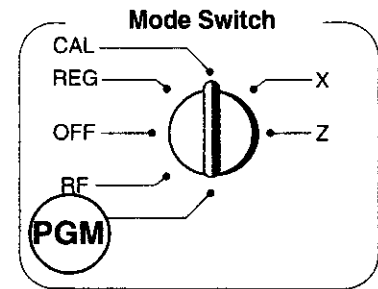
1-1 Unit price for Departments

Example

Unit Price	\$1.00	\$2.20	\$11.00
Dept.	1	2	3



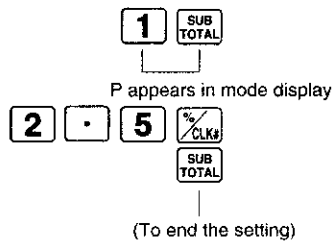
• Unit prices within the range of 0.01~9999.99.



1-2 Rate for percent key

Example

Discount Rate	2.5%
---------------	------



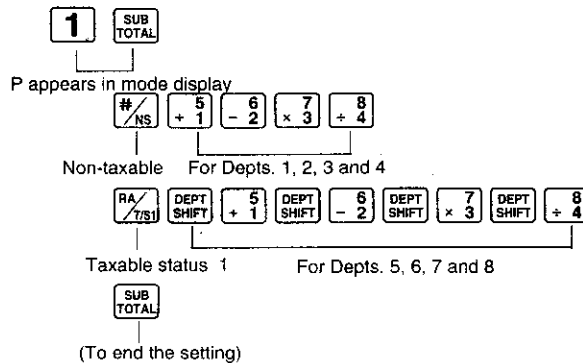
• The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for Departments

Example

Status	Non-taxable	Taxable 1
Depts.	1~4	5~8

Tax status for the Departments are fixed as follows:
Departments 1~4: Taxable status 1 and 2.
Departments 5~8: Non-Taxable status.



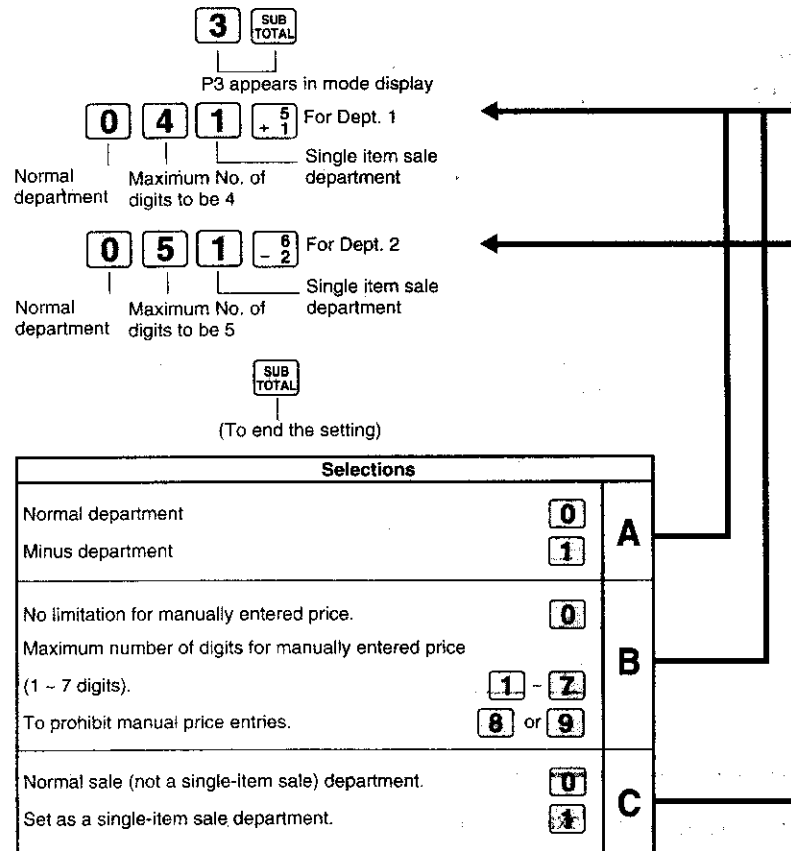
Selections	
Taxable status 1	RA / TSD
Taxable status 2	PD / TSD
Taxable status 1 and 2	RA / TSD PD / TSD
Non-taxable status	# / NS



1-4 Status for Department

Example

Depts.	Selections		
	A	B	C
1	0	4	1
2	0	5	1



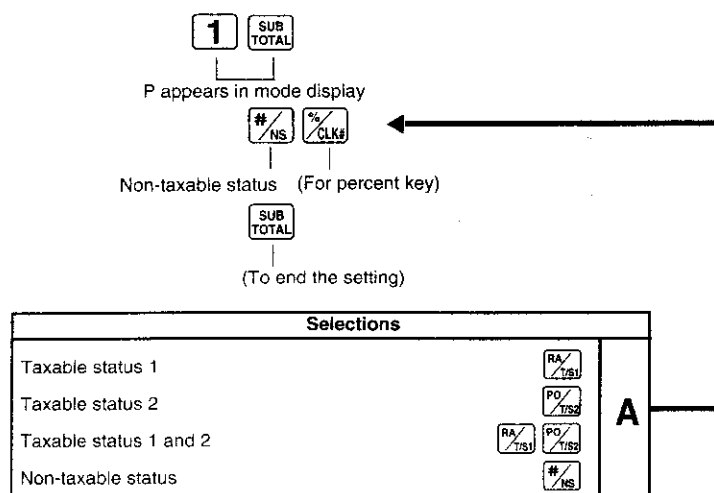
1-5 Status for percent key

1-5-1 To change taxable status for the percent key

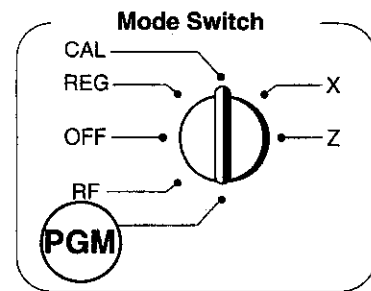
Taxable status 1 and 2 are fixed for the percent key.

Example

Change Percent key registration as a Non-taxable.



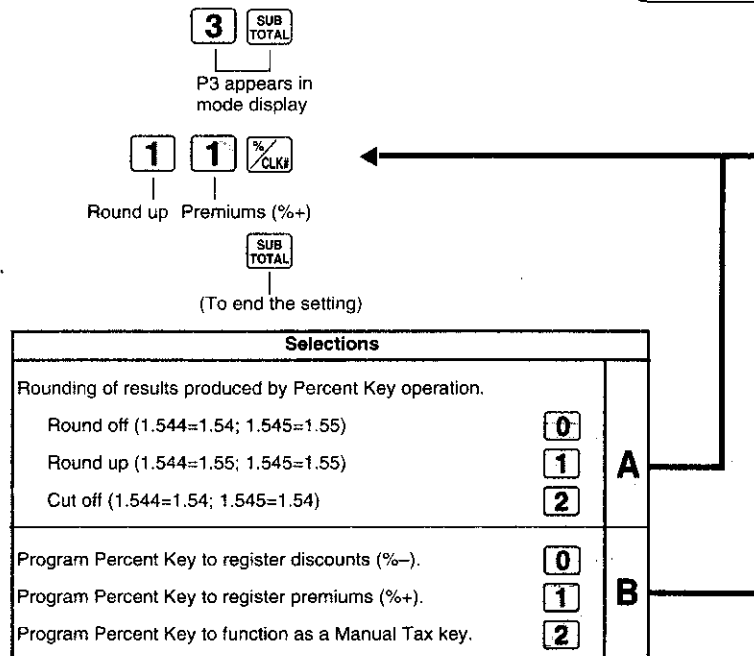
Part-2 CONVENIENT OPERATION



1-5-2 Status for percent key

Example

Round	Up
Percent	%+

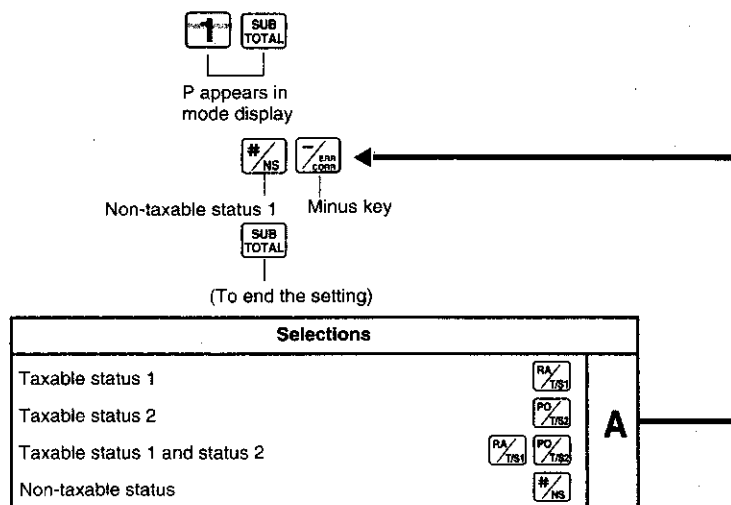


1-6 Taxable Status for minus key

Taxable status 1 and 2 are fixed for the minus key.

Example :

Change minus key registrations
Non-taxable status.



1-7 General features

1-7-1 To set general controls

3 SUB TOTAL
 P3 appears in mode display
0 6 2 2 SUB TOTAL
 Program code No.
0 0 0 = CA / AMT / TEND
SUB TOTAL
 Select a number from list A (To end the setting)
 Select a number from list B Select a number from list C

Selections			
Maintain key buffer during receipt issue in REG mode.			
Reset the transaction number to zero whenever a General Control Reset Report is issued.			
Allow credit balance registration.			
No	Yes	No	0
		Yes	1
	No	No	2
		Yes	3
Yes	Yes	No	4
		Yes	5
	No	No	6
		Yes	7

A

Selections			
Allow partial cash amount tendered.			
Allow partial check amount tendered.			
Yes	Yes	0	B
	No	2	
No	Yes	4	
	No	6	

Selections			
Use the 00 key as a 000 key.			
Cashier assignment systems (sign in) is used.			
No	No	0	C
	Yes	1	
Yes	No	2	
	Yes	3	

Part-2 CONVENIENT OPERATION

1-7-2 To set printing controls

3 SUB TOTAL
 P3 appears in mode display
0 5 2 2 SUB TOTAL
 Program code No.
0 0 0 0 = CA / AMT / TEND
 Select a number from list A Select a number from list C
 Select a number from list B (To end the setting)
 Select a number from list D

Mode Switch
 CAL ——— X
 REG ——— Z
 OFF ———
 RF ———
PGM

Selections			
Use the printer to print a journal.	0	A	
Use the printer to print receipts.	1		

Selections			
Print zero-total item on the General Control Read/Reset Reports.	0	B	
Do not print zero-total item on the General Control Read/Reset Reports.	1		

Selections				
Print RF switch mode refund count/amount on the General Control Read/Reset Reports.				
Print the grand sales total on the General Control Read/Reset Reports.				
Print the time on the receipt and journal.				
Yes	No	Yes	0	C
		No	1	
	Yes	Yes	2	
		No	3	
No	No	Yes	4	
		No	5	
	Yes	Yes	6	
		No	7	

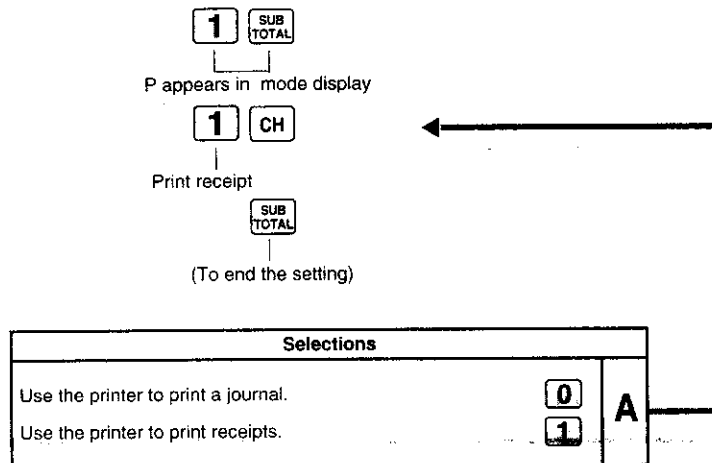
Selections				
Print the consecutive number on the receipt/journal.				
Print the subtotal on the receipt/journal when the Subtotal Key is pressed.				
Skip item print on journal.				
No	No	Yes	0	D
		No	1	
	Yes	Yes	2	
		No	3	
Yes	No	Yes	4	
		No	5	
	Yes	Yes	6	
		No	7	

1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.

Example

To print a receipt.



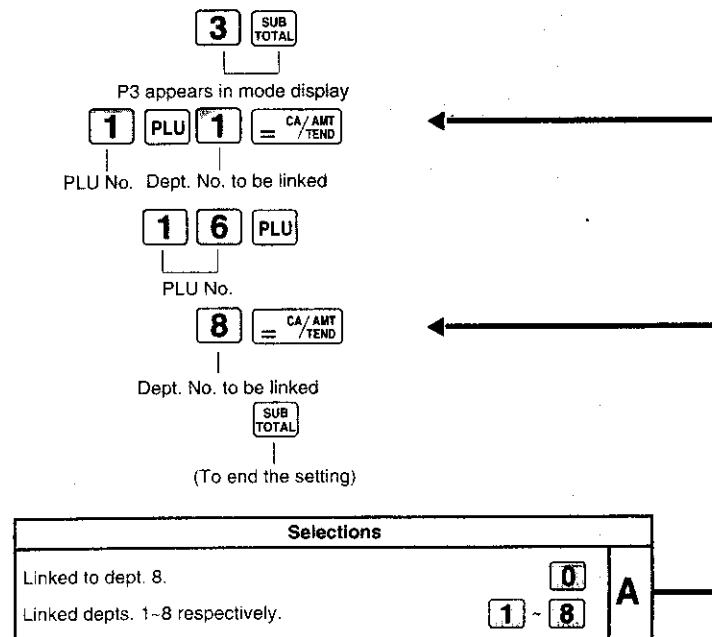
• Printer selection to print a journal or receipts can also be set on procedures 1-7-2 "To set printing controls".

1-8 PLU setting

1-8-1 Linkage with Departments

Example

PLU No.	1	16
Link Dept. No.	1	8



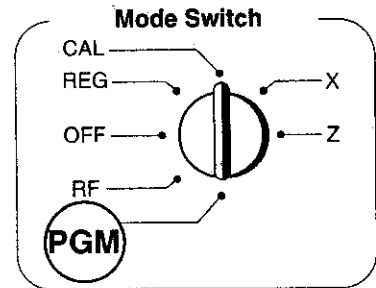
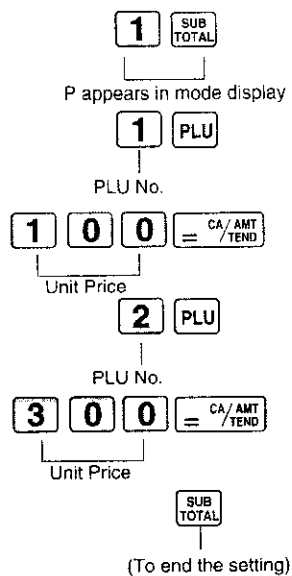
- 16 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 8.
- Status for a single-item sale, minus status and tax status are followed the specified linked department.

Part-2 CONVENIENT OPERATION

1-8-2 Unit Prices for PLUs

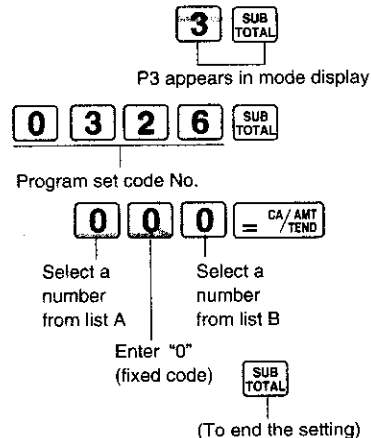
Example

PLU No.	1	2
Unit Price	\$1.00	\$3.00



• Unit prices within the range of \$0.01~999.99.

1-9 To control Tax Status printing



Selections	
Print Tax status symbols.	0
Do not print Tax status symbols.	2

Selections	
Print taxable amount.	
Print taxable amount and tax amount for Add-in.	
Yes	Yes 0
	No 1
No	Yes 2
	No 3

1-10 Printing to read All Preset Data

1-10-1 Printing preset data except PLU settings

Operation

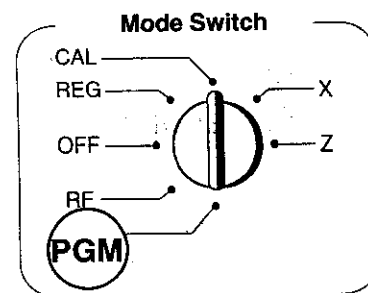
Printout

CA/AMT
= TEND

01-08-95		Date
14-24 0070		Time/Consecutive No.
	X	Read Symbol
1.....1.00	*	Dept. No./Unit Price/Tax Status
.041		Normal Dept./Digit Limit/Single Item
2.....2.20	*	
.051		
3.....11.00	*	
.000		
4.....0.00	*	
.000		
-----	#	Minus/Tax Status
2.5	%	Percent Rate/%+ or %-
.11	#	Percent Key Control/Tax Status
0122.....12		Date/Add Mode Control (fixed)
0522...1022		Print Control
0622...0000		General Control
1022.....0		Calculation Control
0326...0002		Tax Control
0125.....		
0.0000	%	Tax Table 1
0001		Break Points Control
0001		
10		
30		
54		
73		
110		
0225.....		Tax Table 2
5.2500	%	
5002		Rounding Specifications/ Tax System Specifications
0000		
01-08-95		

Part-2

Part-2 CONVENIENT OPERATION



1-10-2 Printing preset PLU settings

Operation

Printout

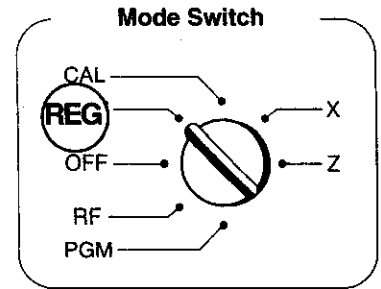
1 = CA / AMT / TEND

01-08-95	_____	Date
14-26 0071	_____	Time/Consecutive No.
	×	Read Symbol
01....1.00	1	PLU. No./Unit Price/ Linked department
02....2.00	2	
03....0.00	3	
04....0.00	4	
05....0.00	5	
06....0.00	6	
07....0.00	7	
09....0.00	1	
16....0.00	4	
01-08-95	1	

2. Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 18)



Example

Unit Price	\$1.00	\$2.20	\$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount tendered	\$52.00		

Operation	Printout
<div> <div>5</div><div>+</div><div>1</div> <div>6</div><div>-</div><div>2</div> <div>6</div><div>-</div><div>2</div> <div>4</div><div>×</div><div>DATE</div><div>TIME</div><div>×</div><div>7</div><div>3</div> <div>SUB</div><div>TOTAL</div> <div>5</div><div>0</div><div>0</div><div>0</div><div>=</div><div>CA/AMT</div><div>TEND</div> </div>	<div> <div>•1•00</div><div>1</div><div>*</div><div>Unit Price Programmed to Department 1</div> <div>•2•20</div><div>2</div><div>*</div><div>Unit Price Programmed to Department 2</div> <div>•2•20</div><div>2</div><div>*</div><div>Repeat</div> <div>4</div><div>×</div><div>Multiplication Symbol</div> <div>•11•00</div><div>@</div><div>Unit Price Programmed to Department 3</div> <div>•44•00</div><div>3</div><div>*</div> <div>•49•40</div><div>TA</div> <div>•1•98</div><div>TX</div> <div>•51•38</div><div>ST</div> <div>•52•00</div><div>CA</div><div>Cash Amount Tendered</div> <div>•0•62</div><div>CG</div><div>Change</div> </div>

2-2 Single-Item Sales

(Programming: See page 19)

Example 1:

Status	Single item sale
Unit Price	\$.50
Quantity	1
Dept.	1

5	0	+	5	1
•0•50	1	*		
•0•50	TA			Taxable Amount
•0•02	TX			Tax
•0•52	CA			Cash Sales

For this example, Dept. 1 is programmed for a single-item-sale.
(Programming: See page 19.)

Example 2:

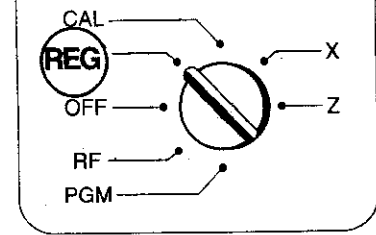
Status	Normal	Single item sale
Unit Price	\$1.00	\$0.50
Quantity	1	1
Dept.	2	1

1	0	0	-	6	2
5	0	+	5	1	
SUB			TOTAL		
=		CA / AMT		TEND	
•1•00		2 *			
•0•50		1 *			
•1•50		TA		Taxable Amount	
•0•06		TX		Tax	
•1•56		CA		Cash Sales	

Single-item sale cannot be finalized if an item is registered previously.

Part-2 CONVENIENT OPERATION

Mode Switch



2-3 Check Sales

Example:

Unit Price	\$35.00
Quantity	2
Dept.	4

Operation

3 5 0 0 $\frac{8}{+4}$
 $\frac{8}{+4}$
 SUB
 TOTAL
 CHK

Printout

•35.00 4 *
 •35.00 4 *
 •70.00 TA
 •2.80 TX
 •72.80 CK — Check Sales

2-4 Change the Tax Status

(Programming: See page 18)

Example:

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2
Preset Status	Taxable 1	Taxable 1
This Registration	Non-taxable	Taxable 1

RA
T/S1
1 0 0 $\frac{5}{+1}$
 2 0 0 $\frac{6}{-2}$
 = CA/AMT
 TEND

•1.00 1 TX 2
 •2.00 2 *
 •2.00 TA
 •0.08 TX
 •3.08 CA

2-5 Manual Tax

Example:

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2

1 0 0 $\frac{5}{+1}$
 1 0 $\frac{\%}{CLK}$
 2 0 0 $\frac{6}{-2}$
 = CA/AMT
 TEND

•1.00 1 *
 10 % —
 -0.10 * — Manual Tax Symbol
 •2.00 2 *
 •2.90 TA
 •0.12 TX
 •3.02 CA

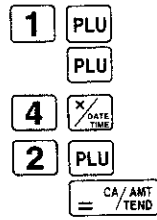
$\frac{\%}{CLK}$ key is programmed to function as a Manual Tax key (see page 20).

2-6 PLU operation

(Programming: See page 23)

Example:

PLU No.	1	2
Unit Price	\$1.00	\$2.00
Quantity	2	4
Cash Amount Tendered	\$13.00	



•1•00	1 *	Linked Department No.
•1•00	1 *	Repeat
4	x	Multiplication Symbol
•2•00	@	Preset Unit Price
•8•00	2 *	
•10•00	TA	
•0•40	TX	
•10•40	CA	Cash Amount Tendered

When a PLU is registered, the linked department number is printed instead of the entered PLU number.

2-7 PLU Single-Item Sales

(Programming: See page 23)

Example 1:

PLU No.	1
Status	Single item sale
Unit Price	\$1.00
Quantity	1



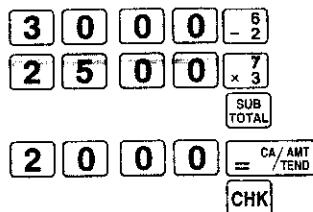
•1•00	1 *	Taxable Status Symbol
•1•00	TA	Taxable Amount
•0•04	TX	Tax
•1•04	CA	

- For this example, linked department 1 is programmed for a single-item-sale. (Programming: See page 19.)
- Single-item sale cannot be finalized if an item is registered previously.

2-8 Split cash/check sales

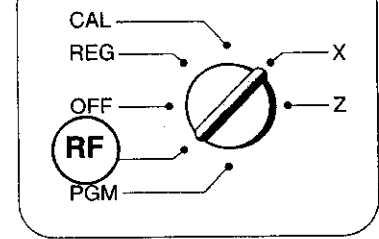
Example:

Unit Price	\$30.00	\$25.00
Quantity	1	1
Depts.	2	3
Cash amount tendered	\$20.00	
Check	\$37.20	



•30•00	2 *	
•25•00	3 *	
•55•00	TA	
•2•20	TX	
•57•20	ST	
•20•00	CA	
•37•20	CK	

Mode Switch



2-9 Refund

Operation

Printout

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Dept.	2	3

1 0 0 - 2
2 0 0 x 7
SUB
TOTAL
= CA / AMT / TEND

13-55 0040 RF Refund Mode Symbol

• 1.00 2 *

• 2.00 3 *

• 3.00 TA

• 0.12 TX

• 3.12 CA

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

2-10 Cashier Assignment

(Programming: See page 21)

Mode Switch

In any mode REG, RF, CAL, X or Z, except PGM

Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 21, you can get 4 cashiers (or clerk) sales data.

Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.

1 % CLK#

Cashier ID No. is signed on (registered)

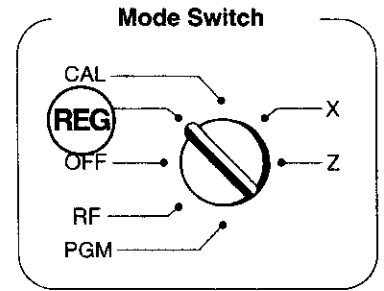
Selections

Sign off (cancel) the assignment of cashier ID No. 0 A

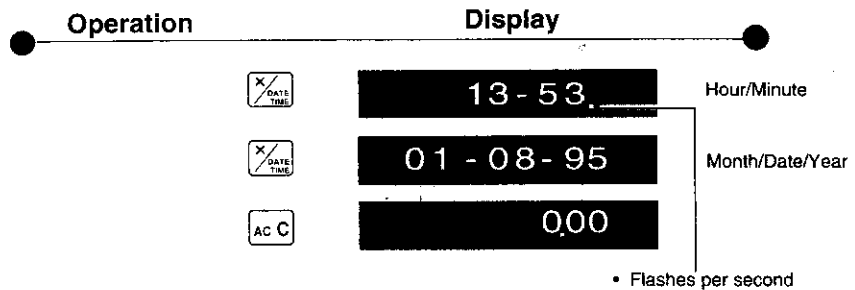
Assign a cashier ID No. 1 through 4. 1 ~ 4

- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- The assigned clerk (or cashier) sales totals with ID number are printed on the receipt or journal when you perform daily X/Z sales report.

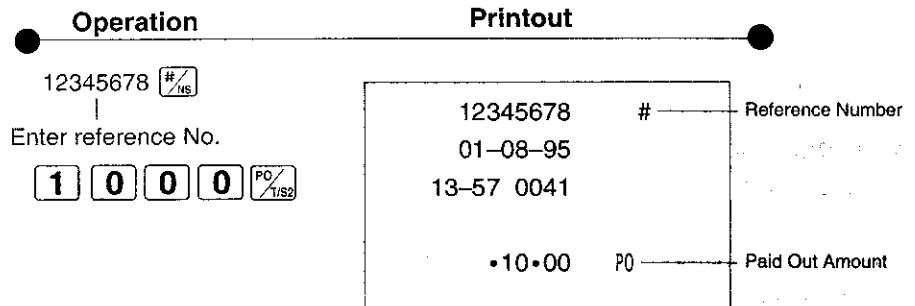
2-11 Other registrations



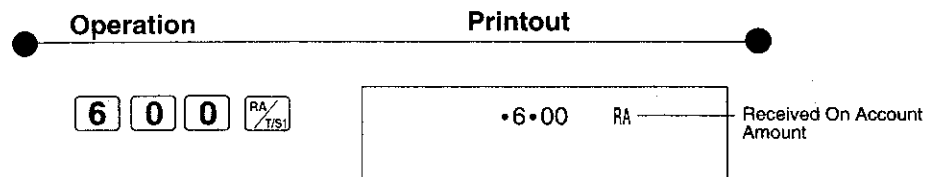
2-11-1 Reading the Time and Date



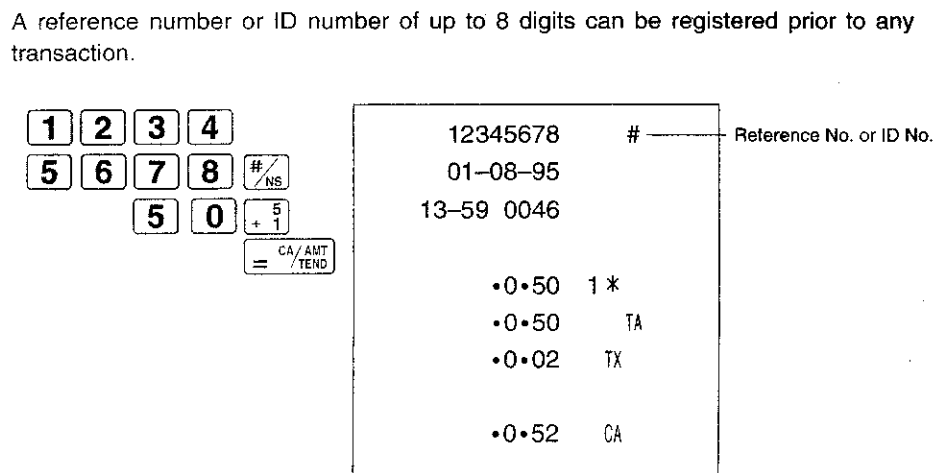
2-11-2 Paid out from cash in drawer



2-11-3 Cash received on account

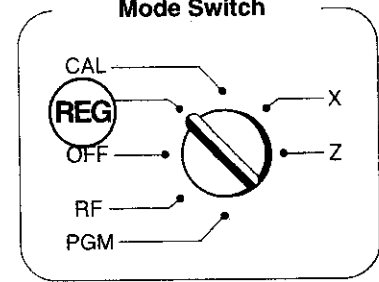


2-11-4 Registering identification numbers



Part-2 CONVENIENT OPERATION

Mode Switch



2-11-5 Reduction on subtotal

Operation

Printout

Example:
Amount due reduced by \$0.50.

1	0	0	5
2	0	0	8
			+
			4
			SUB
			TOTAL
5	0		
			-
			ERR
			SUB
			CA/AMT
			TEND

•1.00 1*
•2.00 4*
•3.12 ST
-0.50
•3.00 TA
-0.12 TX

•2.62 CA

2-11-6 Premium/Discount

- 2.5% premium/discount (programmed to key) applied to first item.
- Be sure to use key when you wish to apply a premium/discount to the subtotal. You cannot use the key.
- 7% premium/discount applied to transaction total.
- For programming the key as percent minus or percent plus, see page 20.
- For programming percent rate, see page 18.

1	0	0	5
2	0	0	6
3	0	0	5
			+
			1
			%
			MD
			ST
7			
			%
			CLK
			CA/AMT
			TEND

Premium

•1.00 1*
2.5 % ——— Premium Rate
•0.03 * ——— Premium Amount
•2.00 2*
•3.00 1*
•6.03 ST ——— Subtotal
7 % ——— Premium Rate
•0.42 * ——— Premium Amount
•6.45 TA
•0.26 TX

•6.71 CA

Discount

•1.00 1*
2.5 % ——— Discount Rate
-0.03 * ——— Discount Amount
•2.00 2*
•3.00 1*
•5.97 ST ——— Subtotal
7 % ——— Discount Rate
-0.42 * ——— Discount Amount
•5.55 TA
•0.23 TX

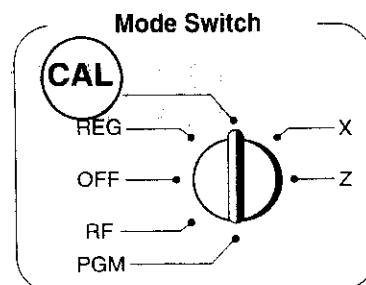
•5.78 CA

Part 3

CALCULATOR FUNCTION

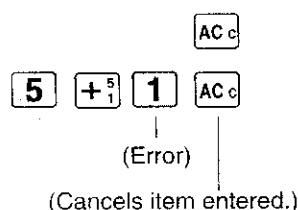
1. Calculator Mode

While registering at REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.

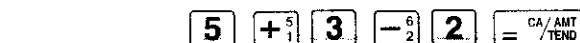


1-1 Calculation examples

5+3-2=



(23-56)×78=



(4×3-6)÷3.5+8=



12% on 1500



1-2 Memory recall

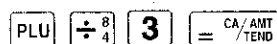
Recalls the current amount onto the display.

- during registration: current subtotal
- registration has been completed: the last amount

On CAL mode

Example:

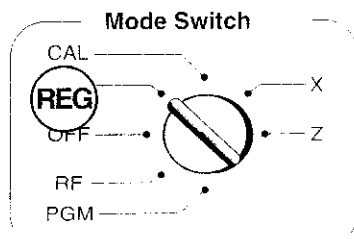
Divide the current subtotal \$30.00 at REG mode by 3 (to divide the bill between 3 people).



Memory recall

On REG mode

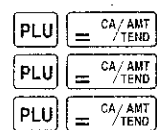
Recalls the current result by pressing $\frac{CA}{AMT} \frac{TEND}{TEND}$ key at CAL mode on the display.



Example:

Recall the current result at CAL mode during registration, and register the cash amount due for each person.

Operation



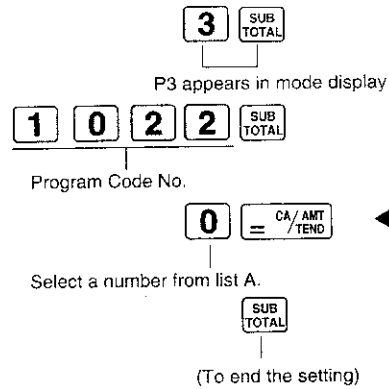
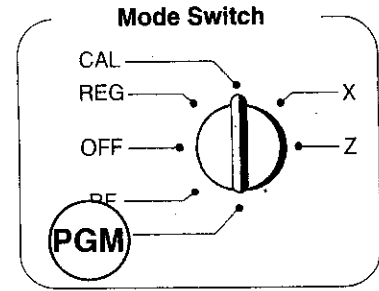
Memory recall

Printout

•10.00 1
•20.00 2

•30.00 ST
•10.00 CA
•10.00 CA
•10.00 CA
•0.00 CG

1-3 Setting for calculator operation







Selections			
Open drawer whenever <input type="checkbox"/> CA / AMT / TEND is pressed.*			
Open drawer whenever <input type="checkbox"/> # is pressed.			
Print No. of Equal key operations on General Control X and Z reports.			
Yes	No	No	0
		Yes	1
	Yes	No	2
		Yes	3
No	No	No	4
		Yes	5
	Yes	No	6
		Yes	7

* Drawer does not open during registration procedures even if you press ☐ CA / AMT / TEND by turning the mode switch to CAL position.



USEFUL INFORMATION

1. Troubleshooting

	Symptom/Problem	Most common causes	Solutions
1	E01 appears on the display.	Changing modes without completing transaction or programming.	Return key to where it stops buzzing and press  .
2	E08 appears on the display.	Sign on operation is not performed.	Prior to starting registration of any other operation, press  -  and then  .
3	E94 appears on the display.	Printer paper is jammed.	Remove jammed paper. Turn Mode switch to OFF then turn to ON, or Turn power OFF and then turn power ON.
4	No date or time on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.
5	Key won't turn to Z, X, PGM and RF modes.	Using OP key.	Use the PGM key.
6	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.
7	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.
8	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries.
9	Register is inoperative. Can't get money out of drawer.	No power.	Pull lever underneath register at rear.

Note:

If you cannot resolve your difficulty, please feel free to call your dealer or 1-800-638-9228. (1-800-661-2274 in Canada)

2. Specifications

INPUT METHOD

Entry: 10-key system; Buffer memory ⁷⁶ keys (2-key roll over)
 Display (Digitron): Amount 8 digits (zero suppression); Department No.; No. of repeats; TOTAL; CHANGE

PRINTER

Receipt: 14 digits (Amount 10 digits, Symbol 4 digits)
 (or journal) Automatic paper roll winding (journal)
 Paper roll: 58 mm x 80 mm Ø (Max.)

CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

CALCULATOR FUNCTION

8 digits; Arithmetic calculations; Percent calculations

Memory protection batteries:

The effective service life of the memory protection batteries (3 UM-3, R6P (SUM-3) or LR6 (AM-3) type batteries) is approximately one year from installation into the machine.

Power source: AC 120V, AC (±10%) fixed.
 Power consumption: 0.07A on stand-by; 0.11A maximum
 Operating temperature: 32°F to 104°F (0°C to 40°C)
 Humidity: 10 to 90%
 Dimensions: 8 1/2"(H) x 13"(W) x 14 3/16"(D) with S drawer
 (219 mm(H) x 330 mm(W) x 360 mm(D))
 Weight: 8.8 lbs (4.0 kg) with S drawer

Specifications and design are subject to change without notice.

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A.

(Not applicable to other areas)

WARNING: This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

This product, except the battery, is warranted by Casio to the original purchaser to be free from defects in material and workmanship under normal use for a period, from the date of purchase, of one year for parts and 90 days for labor. For one year, upon proof of purchase, the product will be repaired or replaced (with the same or a similar model) at Casio's option, at a Casio Authorized Service Center without charge for parts. Labor will be provided without charge for 90 days. The terminal resident software and programmable software, if any, included with this product or any programmable software which may be licensed by Casio or one of its authorized dealers, is warranted by Casio to the original licensee for a period of ninety (90) days from the date of license to conform substantially to published specifications and documentation provided it is used with the Casio hardware and software for which it is designed.

For a period of ninety (90) days, upon proof of license, Casio will, at its option, replace defective terminal resident software or programmable software, correct significant program errors, or refund the license fee for such software. Significant program errors will be significant deviations from written documentation or specifications. These are your sole remedies for any breach of warranty. In no event will Casio's liability exceed the license fee, if any, for such software. This warranty will not apply if the product has been misused, abused, or altered.

Without limiting the foregoing, battery leakage, bending of the unit, a broken display tube, and any cracks or breaks in the display will be presumed to have resulted from misuse or abuse. To obtain warranty service you must take or ship the product, freight prepaid, with a copy of the sales receipt or other proof of purchase and the date of purchase, to a Casio Authorized Service Center. Due to the possibility of damage or loss, it is recommended when shipping the product to a Casio Authorized Service Center that you package the product securely and ship it insured. CASIO HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. NO RESPONSIBILITY IS ASSUMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES RESULTING FROM MATHEMATICAL INACCURACY OF THE PRODUCT OR LOSS OF STORED DATA. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

CASIO, INC.

570 MOUNT PLEASANT AVENUE,
P. O. BOX 7000, DOVER, NEW JERSEY 07801 U.S.A.

LIMITED WARRANTY: ELECTRONIC CASH REGISTER DIVISION

This product, except the battery, is warranted by Casio Canada Limited to the original purchaser to be free from defects in materials and workmanship under normal use for a period of six months from the date of purchase. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or a similar model) at Casio's option, at a Casio Authorized Service Centre without charge for either parts or labour. The terminal resident software and programmable software, if any, included with this product or any programmable software which may be licensed by Casio or one of its authorized dealers, is warranted by Casio to the original licensee for a period of ninety (90) days from the date of license to conform substantially to published specifications and documentation provided it is used with the Casio hardware and software for which it is designed.

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Without limiting the foregoing, battery leakage, bending of the unit, a broken display tube, and any cracks or breaks in the display will be presumed to have resulted from misuse or abuse. To obtain warranty service you must take or ship the product, freight prepaid, with a copy of your sales receipt or other proof of purchase and the date of purchase, to a Casio Authorized Service Centre. Due to the possibility of damage or loss, it is recommended when sending the product to a Casio Authorized Service Centre that you package the product and send it insured. Names and addresses of Authorized Service Centres are available by calling (416) 431 - 3009. CASIO HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, MERCHANTABLE QUALITY, DURABILITY, OR OF FITNESS FOR A PARTICULAR PURPOSE. NO RESPONSIBILITY IS ASSUMED FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, FORESEEABLE OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM MATHEMATICAL INACCURACY OF THE PRODUCT OR LOSS OF STORED DATA, EVEN IF CAUSED BY THE NEGLIGENCE OF CASIO, ITS EMPLOYEES OR AGENTS, AND NOTWITHSTANDING ANY FUNDAMENTAL BREACH BY CASIO.

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canada Department of Communications.

Model: Serial Number: Date of Purchase:

Your Name:

Address:

Dealer's Name:

Address:

CASIO SERVICE CENTER

2050 ELLESMERE ROAD, UNIT 1, SCARBOROUGH, ONT. M1H 3A9
FOR THE LOCATION OF THE NEAREST SERVICE CENTRE CALL: (416) 431 - 3009

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